

Function	Definition
<b>Capture</b>	Record a video stream or a portion of a video stream and associated metadata. Includes application specific-requirements; e.g., Creating single frames, thumbnails, and video clips.
<b>Video Playback and Viewing Control</b>	Control and adjust the display of a video stream and other data through operations such as roaming, rotating and orienting, zooming; and adjusting frame rate (freeze frame, fast/slow forward, and fast/slow reverse), contrast, brightness, deblurring, and color. Other data includes; text overlays, time, duration, annotations, metadata, etc.
<b>Video Annotation</b>	Associate data, such as text, audio, or graphics, with a video stream, or object therein.
<b>Video Processing</b>	Operate on any segment of the video stream with procedures such as coding, filtering, quality enhancement, restoration, segmentation, or motion estimation. Includes processes such as edge sharpening, frame averaging, summing, gamma, blending, merging, recoloring, and other special effects.
<b>Video Editing</b>	Add, delete, re-sequence, or process any video stream segment.
<b>Video Stabilization</b>	Remove frame-to-frame jitter from a video stream or an image frame sequence.
<b>Video Stratification</b>	Temporally segment a video stream.
<b>Decomposition</b>	Remove an object in a video scene or sequence.
<b>Video Compositing</b>	Insert data components into a video scene or sequence.
<b>Video Compression</b>	A method or technique used to reduce storage or transmission requirements for a video stream.

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<b>File Translation</b>	Transcode a file by converting between file formats.
<b>Audio Capture</b>	Record an audio stream and associated metadata.
<b>Audio Playback</b>	Control the play of an audio stream.
<b>Audio Annotation</b>	Associate data with an audio stream, or object therein.
<b>Audio Transcription</b>	Convert speech to text.
<b>Audio Editing</b>	Add, delete, or process any audio stream segment.
<b>Audio Processing</b>	Operate on any segment of the audio stream with procedures such as coding, filtering, quality enhancement, restoration, segmentation, or interpolation.
<b>Audio Compression</b>	A method or technique used to reduce storage or transmission requirements for an audio stream.
<b>Text Translation</b>	Convert between languages.
<b>Video/Data Fusion</b>	Combine multiple sources of data to emphasize salient information.
<b>Object Cueing</b>	Focus attention on an object or event of interest in a video sequence.
<b>Alerts</b>	Notify an operator or automated process of an event or object of interest.
<b>Sensor Track</b>	Determine the sensor track within the data.

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<b>Video Coverage</b>	Determine the sensed (imagery coverage) footprint within a spatial frame of reference.
<b>Object Flagging</b>	Detect and mark, trace, or outline moving and fixed objects in a video sequence.
<b>Object Tracking</b>	Determine the track ("worm" track) of a flagged object within a video sequence by its motion and/or audio.
<b>Temporal Change Detection</b>	Find changes of interest among multiple sources of data collected at different times.
<b>Mensuration</b>	Measure temporal, spatial, or spectral dimensions in data.
<b>Model Reconstruction</b>	Construct a 3D geometric model of an object from one or more video streams.
<b>Geopositioning</b>	Determine the georeferenced (position, elevation, and height) location of an object within a video scene from data.
<b>Motion Analysis</b>	Quantify the movement of objects (and/or their components) or phenomena in a video sequence.
<b>Kinematics Analysis</b>	Identify an object, event or phenomena by it's motion.
<b>Video Registration</b>	Associate a video stream or a segment of a video stream with another data source.
<b>Feature Extraction</b>	Delineate the spatial, temporal, and/or spectral characteristics and determine feature attributes of objects within the video data.
<b>Object Recognition</b>	Determine an object's class.
<b>Object Identification</b>	Determine a specific instance of an object class, person, or text.
<b>Event Understanding</b>	Form inferences from the activity or recurrence of activities within a video sequence.

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<b>Collaboration</b>	Cooperatively exploit video data in a shared distributed multimedia environment.
<b>Video Distribution</b>	Disseminate video data and video-derived products, along with metadata and supporting information.
<b>Purging</b>	Delete outdated or unneeded video data from archives.
<b>Scripting &amp; Authoring</b>	Create and produce a video production, containing video, audio, hypertext, hypermedia, and other multimedia inputs.
<b>Process History</b>	Assemble metadata on video exploitation processing.
<b>Video Query</b>	Retrieve information through database inquiry using bibliographic, structural, or content descriptors.
<b>Search</b>	Locate within a video a specified object, feature, event, phenomena, or class of features and events.
<b>Animation</b>	Synthesize frame sequence to simulate collected data.
<b>Integrity Analysis</b>	Examine data for signs of manipulation or tampering.
<b>Sanitization</b>	Modify or delete video data for classification downgrading purposes.
<b>Stereo Video Analysis</b>	View, manipulate, and exploit stereo video data.
<b>Autonomous Navigation</b>	Navigate by processing self-contained, sensed data.
<b>Remote Operations</b>	Remotely control sensors and systems.
<b>Telepresence</b>	Participate actively within a virtual environment.